

USER'S GUIDE

REAL



COLOR TV

Important Information

WARNING

To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

WARNING

RISK OF ELECTRIC SHOCK
DO NOT OPEN



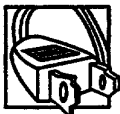
This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Cautions



CAUTION:

To reduce the risk of electric shock, match wide blade of plug to wide slot, fully insert.

Refer to the identification/rating label on the back of this product for the proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Note To Cable TV Installer

This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card and return it immediately. Returning this card allows us to contact you if needed.

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you ever need them. The numbers are located on the back of the TV.

Model No _____

Serial No _____

Purchase Date: _____

Dealer/Address/Phone _____

Introduction

Thank you for choosing RCA

Your television is designed for long life and superior operation. Despite its sophistication, your new TV is amazingly simple to operate because it has so many automatic features.

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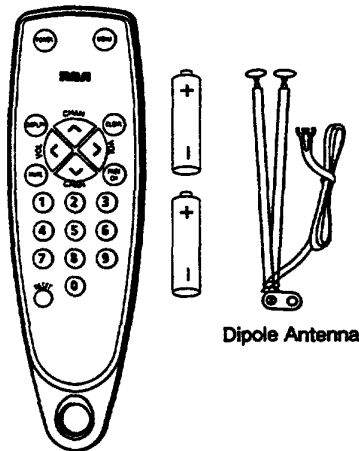
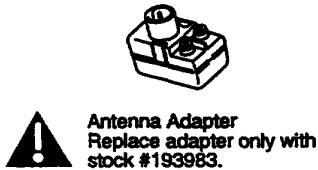
Getting Started

First-Time Operation

The steps below will help you get your TV connected and working quickly. Page numbers are also listed for more details.

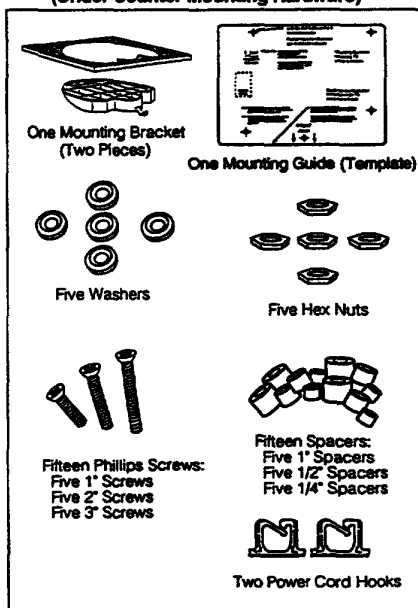
1. Unpack TV and accessories.

Shown below are the accessories that came packed with your TV.



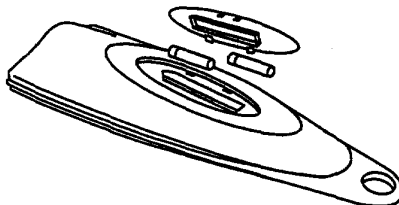
Remote Control and Two Batteries

(Under Counter Mounting Hardware)



2. Place batteries in remote.

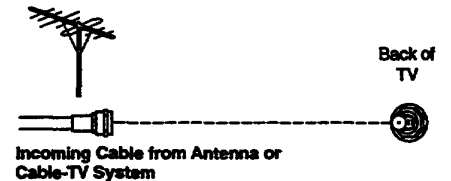
1. Turn the remote control face down.
2. Press down on the ridged area of the battery cover and slide it off.



3. Place two "AAA" batteries as shown matching the + and - end of each battery in the compartment.
4. Replace the cover.

3. Connect antenna or cable-TV system.

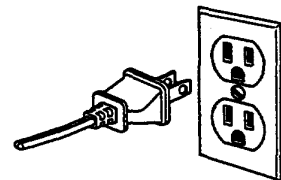
Most antenna or cable-TV systems can be connected as shown here.



- Details for connecting a home antenna to your TV are on *page 14*.
- Details for connecting a cable-TV system to your TV are on *pages 15-16*.

4. Plug in the TV.

Plug in the TV, matching the wide and small blade of the plug with the outlet.

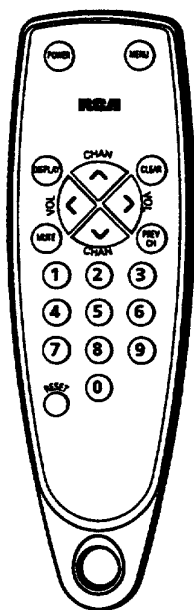


Getting Started

First-Time Operation

5. Turn on TV and place channels in memory.

Your TV is designed to place active channels into your TV's memory the first time you turn it on.



- Press **POWER** on the TV or remote to turn on the TV.
- The TV automatically cycles through all channel numbers and places active channels into the channel memory. When your TV is finished, it tunes to the lowest channel number in its channel memory.

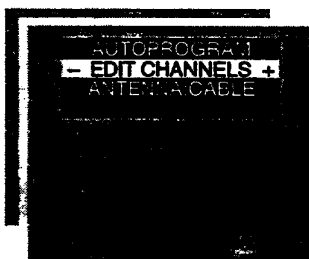
6. Edit the channel memory.

You can add and erase channels from memory as desired.

- Press **MENU** repeatedly to highlight **SETUP**. Then press **▶** to select the **SETUP** menu.

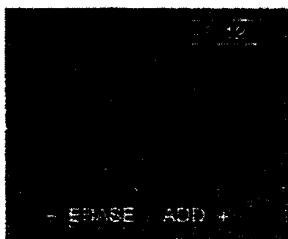


- Press **MENU** repeatedly to highlight **EDIT CHANNELS**.



Press **MENU** repeatedly to see 2nd setup menu.

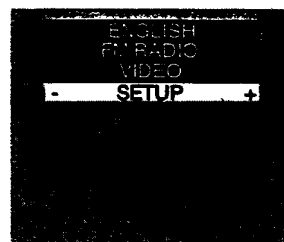
- Press **▶** to select **EDIT CHANNELS**.
- Select the desired channel number by pressing the **CHAN** up or down button or by pressing two number buttons.



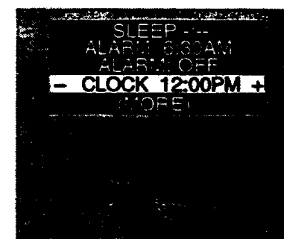
- Then press **▶** to add a channel, or press **◀** to erase a channel. *Details are on page 11.*
- Press **CLEAR** to remove the menu from the screen.

7. Set the clock.

- Press **MENU** repeatedly until **SETUP** is highlighted. Then press **▶** to select the **SETUP** menu.



- Repeatedly press **MENU** to select **CLOCK**.

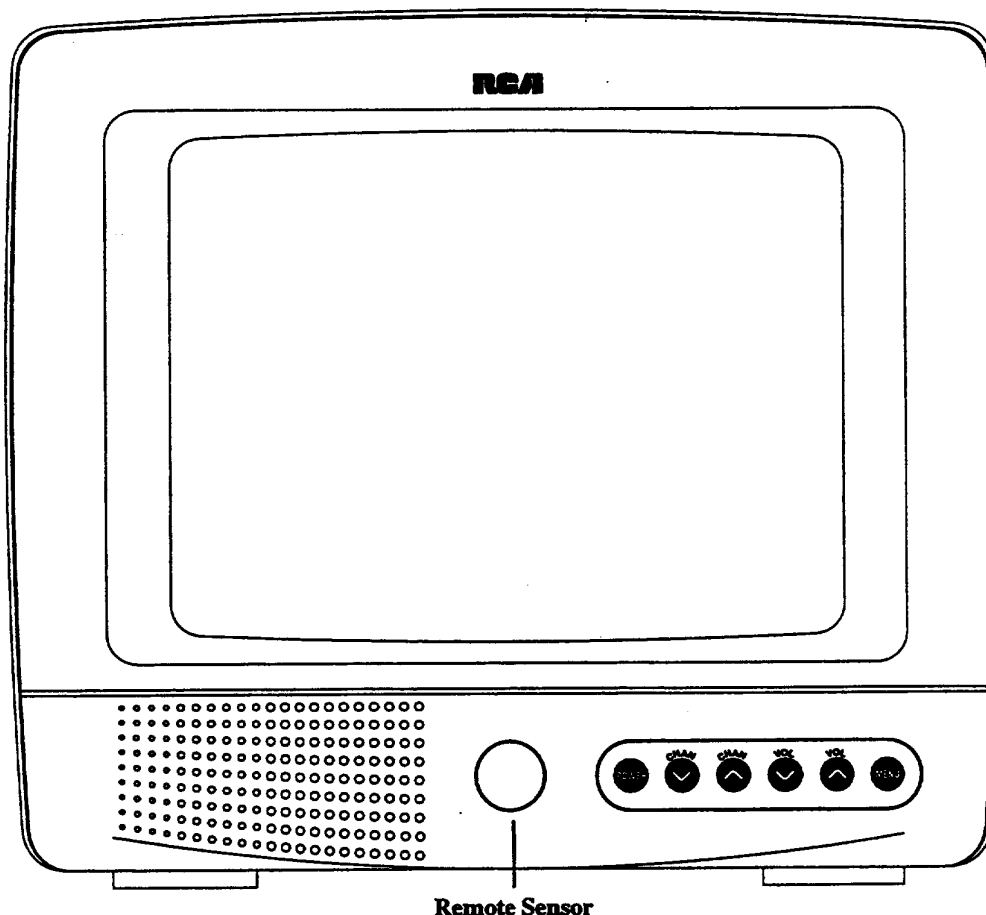


- Press and hold **◀** to set the correct hour. Then press and hold **▶** to set the correct minutes.
- Press **CLEAR** to remove the menu from the screen.

Controlling Your TV

Front Panel and Headphone Jack

Shown here are the front-panel buttons.



Remote Sensor

- When using the remote control, point it toward this sensor.

MENU Button

- Press repeatedly until the item you want is highlighted, then press ► or ◀ to enter the menu.
- Press repeatedly to move down each menu screen and then press ► or ◀ to adjust each setting.
- To mute the TV, press once and then press ►.

CHAN ▼ and ▲ Buttons (Channel Up and Down)

- Press Channel up to see the next higher channel in memory.
- Press Channel down to see the next lower channel in memory.
- You can add or erase channels in memory as desired. *Details are on page 11.*

VOL Buttons (Volume Up and Down)

(Also ► and ◀ Buttons)

- Press VOL ► to increase volume, or press VOL ◀ to decrease volume.
- Press ► or ◀ to adjust the setting of an item that is highlighted in the menu.
- The volume display will automatically appear on the screen when you press the VOL buttons.

POWER Button

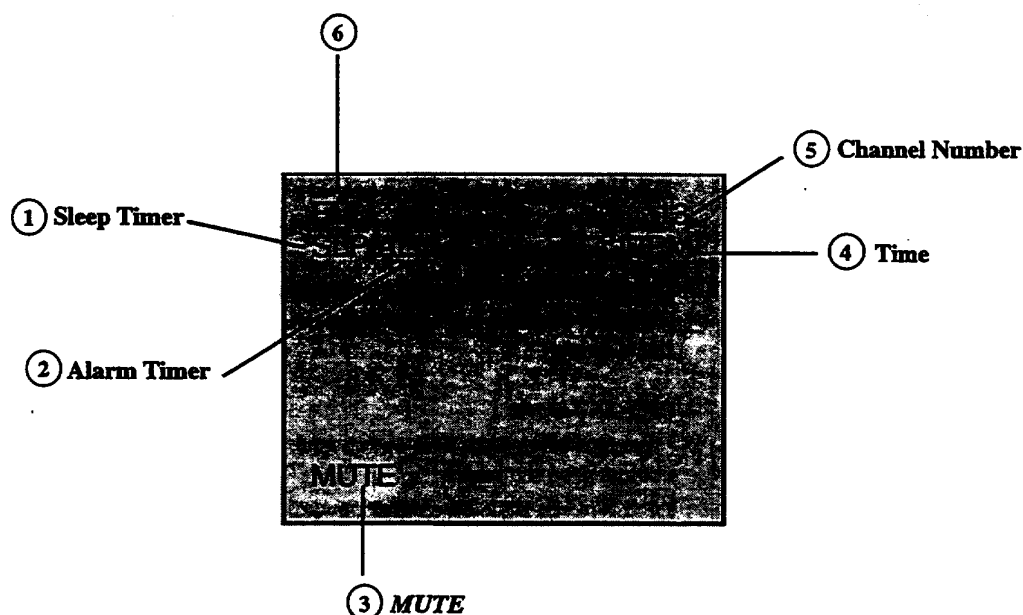
- Press to turn the TV on or off.

(🔌) Headphone Jack (Located on Back of TV)

- You can plug an optional set of headphones into this jack for private listening. When headphones are attached, the sound comes through the headphones instead of the TV speaker.
- If the plug on your headphones does not fit the jack, adapters are available at your local electronics supply store.

Controlling Your TV

On-Screen Displays



① Sleep Timer

This display appears when the sleep timer has been set. *Details are on page 9.*

② Alarm Timer

This display appears when the alarm timer has been set. *Details are on page 10.*

③ MUTE

This display appears when the TV's sound is muted. Press **MUTE** on the remote. *Details are on page 6.*

④ Time

This display appears after the clock is set whenever you change channels or press **DISPLAY**.

⑤ Channel Number

This display appears whenever you change channels or press **DISPLAY**.

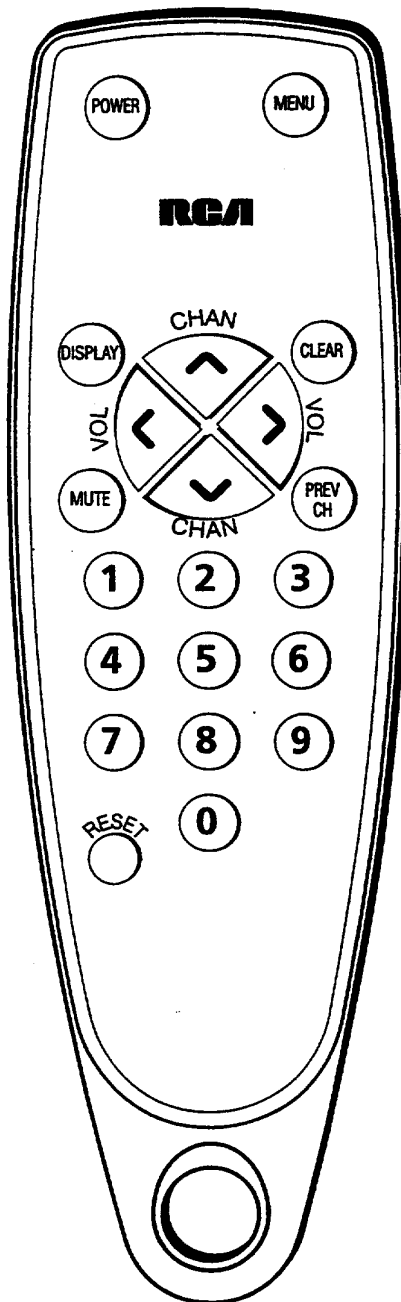
⑥ FM Radio

This display appears whenever you change stations or press **DISPLAY** while in the FM radio mode. *Details are on page 13.*

Controlling Your TV

Remote Operation

When operating the remote, point it directly at the front of the TV. Objects between the remote and the remote sensor can block the signal to the TV.



POWER Button

- Press to turn the TV on or off.

PREV CH Button (Previous Channel)

- Pressing this button switches the TV back to the last tuned channel. This is useful if you want to watch two channels.
- Select the first channel you wish to watch. Then select the other channel by pressing two number buttons.
- The TV changes back and forth between the two channels each time you press this button.

DISPLAY Button

- Press to display the time and channel number on the screen.
- Press to see if the Sleep Timer and/or Alarm Timer is set.
- Press to quickly remove menus from the screen.

MUTE Button

- Press to quickly reduce sound to minimum level.
- To restore sound and normal picture, press *MUTE* again or press *VOL* up.

CHAN ▼/▲ Buttons (Channel Up and Down)

- Press to select the next higher or lower channel in memory.
- You can add or erase channels in memory as desired. *Details are on page 11.*

VOL Buttons (Volume Up and Down)

- Press *VOL* ► to increase volume, or press *VOL* ◀ to decrease volume.
- Press ► or ◀ to adjust the setting of an item that is highlighted in a menu.
- The volume display appears on the screen when you press the *VOL* buttons.

MENU Button

- Press repeatedly until the item you want is highlighted, then press ► or ◀ to enter the menu.
- Press repeatedly to move down each menu screen and then press ► or ◀ to adjust each setting.

RESET Button

- Press to return all video settings (color, tint, contrast, brightness, and sharpness) back to the original settings.

CLEAR Button

- Press to clear the screen of all on-screen displays except *MUTE*.

Number Buttons (0-9)

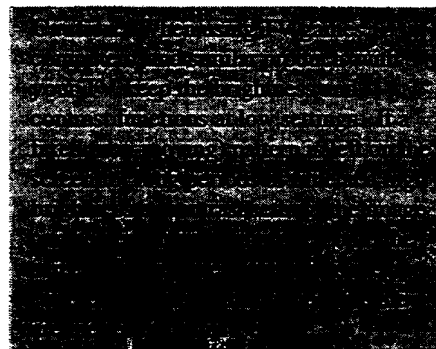
- Press to access any channel number.
- To select a channel, press two number buttons. For example, press 0 then 6 for channel 6.
- To select a 3-digit number, press and hold number button 1 until 1— appears on the screen. Then press the other two numbers.

Operating Features

VIDEO Menu

Press **MENU** until **VIDEO** is highlighted. Then press **►** to select the **VIDEO** menu. Press **MENU** to move down the menu and **►** and **◄** to adjust each function.

Press
MENU to
select
VIDEO



Press **►**
for 1st
VIDEO
Menu
Screen



The **VIDEO RESET** function changes all the video functions (color, tint, contrast, brightness, sharpness) back to the factory settings. Press **►** or **◄** to reset the video functions. **RESET** appears on the TV screen momentarily while the functions are being adjusted.

Press
MENU
until the
second
VIDEO
Menu
appears



The **COLOR** function adjusts the amount of color in the picture. Press **►** or **◄** to select **COLOR**, then press **►** to increase or press **◄** to decrease color.

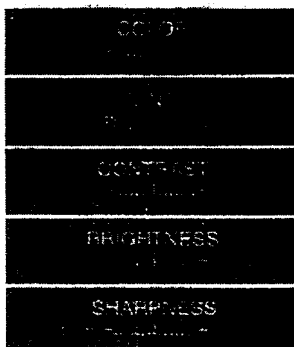
The **TINT** function adjusts the color of flesh tones. Press **►** or **◄** to select **TINT**. Press **►** to add more green tint or press **◄** to add more red tint.

The **CONTRAST** function adjusts the overall brightness and contrast of the picture. Press **►** or **◄** to select **CONTRAST**. Press **►** to increase or press **◄** to decrease contrast.

The **BRIGHTNESS** function adjusts the brightness of the dark portions of the picture. Press **►** or **◄** to select **BRIGHTNESS**. Press **►** to increase or press **◄** to decrease brightness.

The **SHARPNESS** function adjusts picture sharpness. Press **►** or **◄** to select **SHARPNESS**. Press **►** to increase or press **◄** to decrease.

Adjustment
Displays



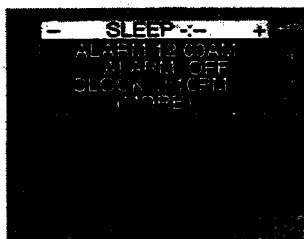
These functions are displayed individually at the bottom of the screen once they have been selected. The setting can be adjusted at that time by pressing either the **►** or **◄** button.

Operating Features

SETUP Menu

Press **MENU** until **SETUP** is highlighted. Then press **►** to select the **SETUP** menu. Press **MENU** to move down the menu and **►** and **◄** to adjust each function.

1st
SETUP
Menu
Screen



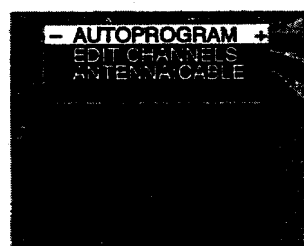
By setting the Sleep function, you program your TV to turn itself off after a certain period of time. This is useful whenever you want to watch TV for an hour or so before going to sleep. Press the **►** or **◄** button to select the length of time you want the TV to stay on. *Details are on page 9.*

You can program your TV to turn itself on at a specific time by setting the **ALARM** time function and turning the **ALARM: ON/OFF** function **ON**. *Details are on page 10.*

The **ALARM: ON/OFF** function lets you turn the alarm on or off by pressing the **►** or **◄** button. *Details are on page 10.*

After setting the **CLOCK** function, the time is displayed on the TV screen whenever you change channels or press **DISPLAY**. Press and hold **◄** to set the correct hours and **►** to set the correct minutes. *Details are on page 3.*

Press
MENU
until the
second
SETUP
Menu
appears



When you press **►** or **◄** to start the **AUTOPROGRAM** function, the TV cycles through all channels and places only the active channels for your area in its channel memory. The channel memory is the list of channels the TV stops on when you press **CHAN** up or down. *Details are on page 11.*

The **EDIT CHANNELS** function allows you to edit the channel memory by adding or erasing channels. *Details are on page 11.*

The **ANTENNA: CABLE/AIR** function tells your TV whether you have cable or a home antenna connected to it. The TV adjusts this function for you when you start the **AUTOPROGRAM** function. If you wish to adjust it manually, press **►** or **◄** to switch between the **CABLE** and **AIR** setting.

Languages

The on-screen displays in this TV can be displayed in three languages: English, French, and Spanish. When you select a language, most of the displays will be shown on the screen in your preferred language.

Selecting a Language

1. Press **MENU** once to bring up the main menu and highlight **ENGLISH**.



2. Press **►** or **◄** to select **FRANCAIS** (French), **ESPAÑOL** (Spanish), or **ENGLISH**.



Operating Features

Sleep Timer Operation

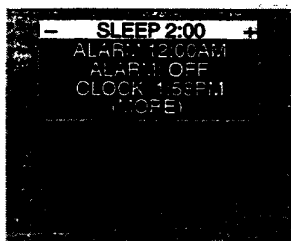
By setting the Sleep Timer, you can program your TV to turn itself off after a certain period of time (up to four hours). This is useful whenever you want to watch TV for an hour or so before going to sleep.

Setting the Sleep Timer

1. Press **MENU** until **SETUP** is highlighted. Then press **►** to select the **SETUP** menu.

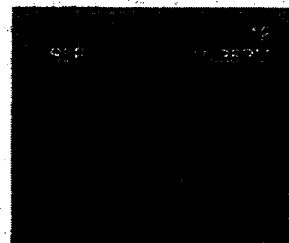


2. Press **►** to select the length of time you want the TV to stay on. Each press of the **►** button adds 30 minutes. Each press of the **◄** button subtracts 30 minutes.

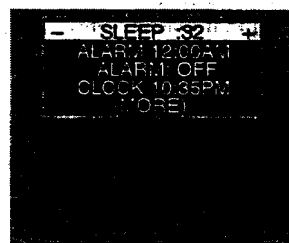


3. When finished, the display disappears from the screen in a few seconds. To make it disappear more quickly, press **CLEAR** on the remote.

4. When the Sleep Timer is turned on, the letters **SLP** appear on the screen whenever you change channels or stations or press **DISPLAY**.



5. Repeat step 1 to see the amount of time remaining before the TV shuts itself off.



← 32 minutes remaining

6. When the Sleep Timer counts down to one minute, the Sleep Timer display appears on the screen. When this display appears, press **CLEAR** to cancel the Sleep Timer if you want the TV to remain on.

Cancelling Sleep Timer

Press **MENU** until **SETUP** is highlighted. Then press **►** to select the **SETUP** menu. Press the **◄** button until the screen shows “:-:-”.

Operating Features

Alarm Timer Operation

The TV can be programmed to turn itself on at a specific time within a 24-hour period by setting the Alarm Timer. This is useful for using the TV as an alarm clock. Instead of waking up to a buzz, wake up to a favorite TV program. You may also set the timer for a special program that you might otherwise forget.

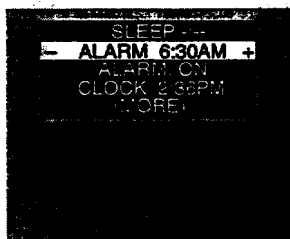
Once you set the Alarm Timer, the TV turns on at the preset time, stays on for one hour, and then shuts off. You may need to adjust the channel and volume level before activating the Alarm Timer. The Alarm Timer turns on the TV to the TV channel station and the volume level that was selected the last time the TV was on.

Setting the Alarm Timer

1. Press **MENU** until **SETUP** is highlighted. Then press **▶** to select the **SETUP** menu.



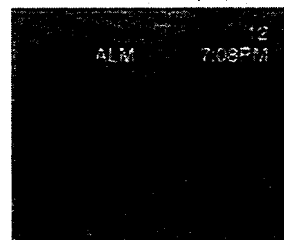
2. Press **MENU** until **ALARM** is highlighted. Press **◀** to select the correct hour and press **▶** to select the correct minutes.



3. After you set the **ALARM** time, press **MENU** to select **ALARM: ON/OFF**. Press **▶** or **◀** to switch this setting to the **ON** position.



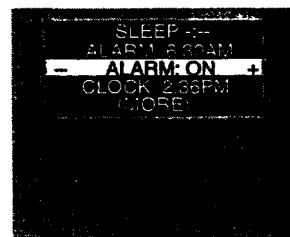
4. When the Alarm Timer is turned on, the letters **ALM** appear on the screen whenever you change channels or press **DISPLAY**.



5. The TV turns on at the preset time and automatically sets the Sleep Timer to 1 hour (60 minutes). It operates for 60 minutes then shuts off.
6. To turn the TV off before the 60 minutes is up, just press **POWER** on the TV or the remote. If you wish to watch TV longer than 60 minutes, then cancel the Sleep Timer by setting it to "--:--". Details are on page 9.

Turning the Alarm On and Off

1. Press **MENU** until the **ALARM: ON/OFF** function is selected.
2. Press **▶** or **◀** to switch between **ON** and **OFF**.



Operating Features

AutoProgramming Channel Memory

The Channel Memory is the list of TV channel numbers your TV will stop on when you press the *CHAN* up or down button. You can program any list of channels into the channel memory although your TV is so automatic that you will probably never need to manually operate this feature. If you do, follow the instructions at the right.

The first time you turn on the TV, it cycles through all channels and places active channels into the channel memory. You can then add or erase channels as desired by following the instructions in the "Editing Channel Memory" section at the right.

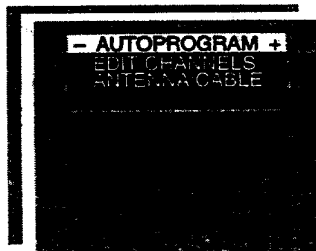
Notes:

- Signals from scrambled cable channels and some cable channels having unusual signal conditions may not be autoprogrammed.
- To prevent the TV from losing its channel memory, make sure the outlet you plug your TV into is "on" all the time. Do not plug the TV into an outlet that can be turned on and off by a wall switch. Also do not plug the TV into an outlet on the back of another device (such as a cable-TV converter box) that is turned off when the device is turned off.
- If there is an extended power failure, your TV will automatically reprogram active channels the first time you turn it on after the power failure.

1. Connect home antenna(s) or cable to your set.
2. Press *MENU* until *SETUP* is highlighted. Press *►* to select the *SETUP* menu.

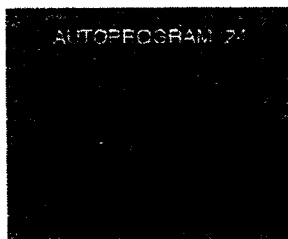


3. Repeatedly press *MENU* until *AUTOPROGRAM* is highlighted.



2nd
SETUP
Menu

4. Press *►* to begin AutoProgramming. The TV cycles through all channels and places only active channels into memory.

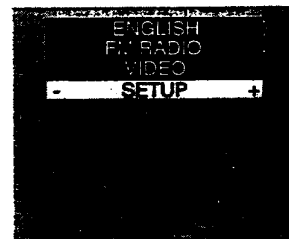


5. When the TV finishes cycling, you can check the channels in memory by pressing *CHAN* up or down.

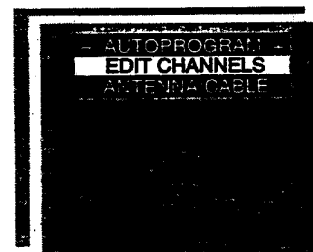
Editing Channel Memory

Follow these instructions to erase and add channels.

1. Press *MENU* until *SETUP* is highlighted. Press *►* to select the *SETUP* menu.



2. Repeatedly press *MENU* until *EDIT CHANNELS* is highlighted. Press *►* to select *EDIT CHANNELS*.

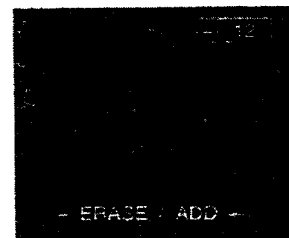


2nd
SETUP
Menu

3. Select the channel number by pressing *CHAN* up or down or two number buttons on the remote.

When "*►*" appears next to the channel number, the channel is in the channel list. Press *◄* to erase the channel.

When "*◄*" appears next to the channel number, the channel is not in the channel list. Press *►* to add the channel.



Connecting Your TV

Antenna/Cable Information

Most modern TV antennas receive both VHF (*Very High Frequency*) and UHF (*Ultra High Frequency*) channels. Channels 2-13 are VHF channels, and channels 14-69 are UHF channels.



Typical
Indoor
Antenna



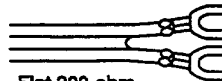
Typical
Outdoor
Antenna

In most situations you will get better picture quality if you use an outdoor antenna or connect your TV to a cable-TV system. If this is not possible, connect the indoor antenna supplied with your TV.

Cable-TV delivers both VHF and UHF channels and other channels not available from your antenna.

Shown below are two basic types of antenna cables. Signals from a home antenna may be conducted through either type. Cable-TV signals, however, are always conducted through round, 75-ohm coaxial cable.

Types of Antenna Cables



Flat 300-ohm
twin-lead cable

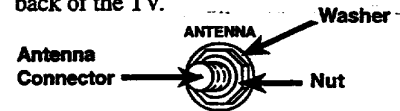


Round 75-ohm
coaxial cable

← Slip-on End

← Screw-on End

Use the connector shown below to connect your antenna or cable-TV system to the back of the TV.



IMPORTANT NOTE: Antenna connector, nut, and washer must be in place when TV is in use.

- Follow the instructions below if you intend to connect the indoor antenna supplied with your TV.

-OR-

- Follow the instructions on *page 14* if you intend to connect an indoor or outdoor antenna to your TV.

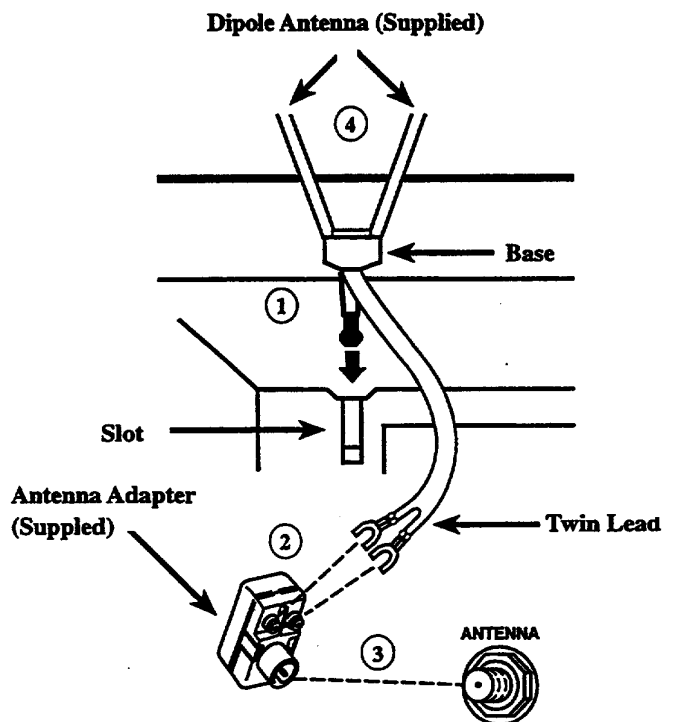
-OR-

- Follow the instructions on *page 15* if you intend to connect a cable-TV system to your TV.

Dipole Antenna Connection

Follow the steps to connect the indoor antenna supplied with your TV (only if you do not connect an outdoor antenna or a cable-TV system).

- 1 Insert the antenna base into the pocketed slot on the back of your set. Stand at the back of your set with the antenna twin-lead facing you, and press the base of the antenna into the slot until it locks in place.
- 2 Connect the ends of the twin-lead to the Antenna Adapter (supplied).
- 3 Connect the Antenna Adapter to the **ANTENNA** connector on the back of the TV.
- 4 Later, after you've turned on the TV, adjust the length and position of the antenna rods for best reception.
 - For viewing VHF channels, extend the rods fully.
 - For viewing UHF channels, shorten the rods for best reception.



Operating Features

FM Radio Operation

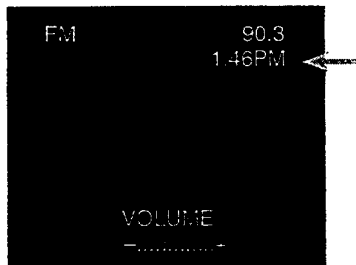
The FM radio is designed to work on either cable-TV or a home antenna. If your TV is connected to cable-TV, the radio will only work if your cable company broadcasts the FM radio signals. If your TV is connected to a home antenna system, you will be able to receive those channels broadcast in your area.

The radio can be used along with the sleep timer and alarm timer. Listen to music before going to sleep or wake up to music. *Details for "Setting the Sleep Timer" are on page 9 and "Setting the Alarm" are on page 10.*

You can also program up to six of your favorite radio stations into memory so you'll be able to quickly select them. Number buttons 1 through 6 on the remote control can be programmed to automatically select favorite channels.

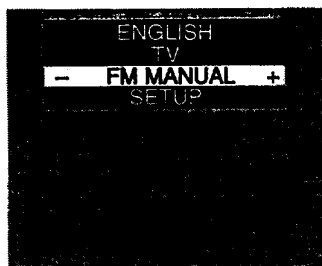
Operating Radio

1. Turn on the TV. Press **MENU** until **FM RADIO** is highlighted.



When **TV** appears in the menu, you are in the radio mode. When **FM RADIO** appears in the menu, you are in the TV mode.

2. Press **CHAN** up or down to select the next available station. If the station you want to tune is not strong enough for the radio to lock in on it, you can select **FM MANUAL** from the radio menu. Pressing **▶** or **◀** will step through each frequency one at a time.



3. Press **VOLUME** **◀** or **▶** to adjust the volume.

Programming Radio Stations into Memory

1. Select the radio station you want to put into memory by pressing **CHAN** up or down. If the station cannot be locked in when you press the **CHAN** buttons, you can select **FM MANUAL** from the radio menu. Pressing **▶** or **◀** will step through each frequency one at a time.
2. When the station you want to program appears on the TV screen, first press number 0 to highlight the station number, and then press number 1.



The radio station is now assigned to number 1 and can be selected whenever you press number 1 when the TV is in the radio mode.

Number buttons 2, 3, 4, 5, and 6 can also be assigned to specific radio stations. Repeat steps 1 and 2 above to assign the numbers.

Tuning the National Weather Service (air antenna only)

The TV must be connected to an antenna (not cable-TV) and the **ANTENNA** function must be set to **AIR**. *Details for changing this function are on page 12.*

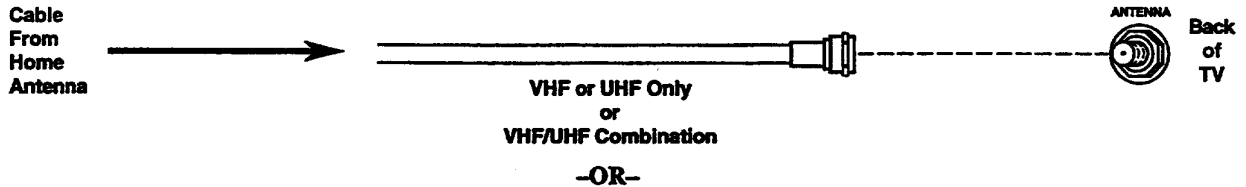
NWS is located between the highest and lowest number on the radio scale. When **NWS** cannot be located using the **CHAN** buttons, you may need to use the **▶** or **◀** button.

Connecting Your TV

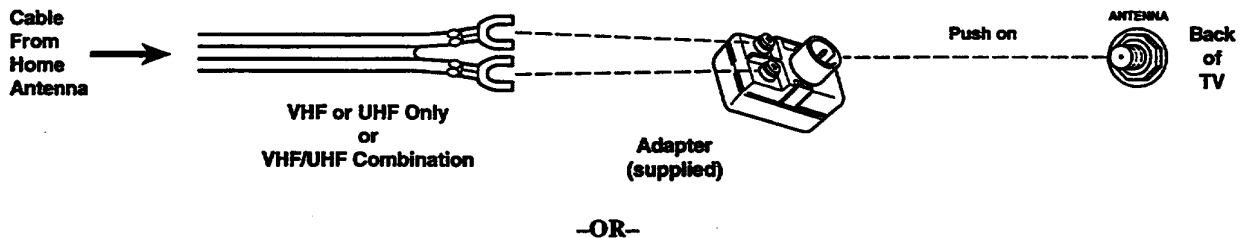
Home Antenna Connections

Follow one of the steps below to connect an indoor or outdoor antenna to your TV (not a cable-TV system).

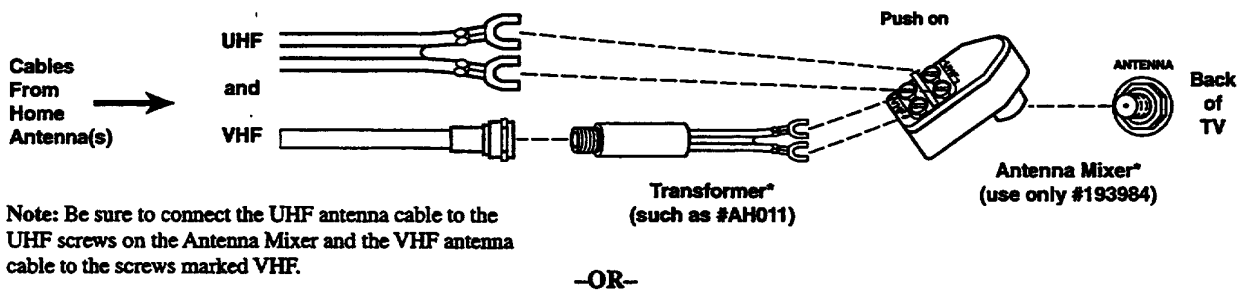
- A** If the antenna cable coming from your home antenna is a 75-ohm round coaxial cable that carries only VHF (channels 2-13), only UHF (channels 14-69), or VHF and UHF channels, connect it to your set like this:



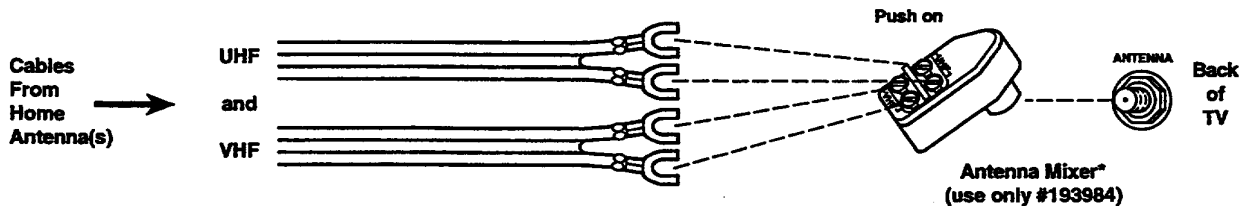
- B** If the antenna cable coming from your home antenna is a 300-ohm flat twin lead that carries only VHF (channels 2-13), only UHF (channels 14-69), or VHF and UHF channels, connect it to your set like this:




- C** If the antenna cables coming from your home antenna(s) are a 75-ohm round coaxial cable that carries VHF (channels 2-13) and a 300-ohm flat twin-lead cable for UHF (channels 14-69), connect them to your set like this:



- D** If the antenna wires coming from your home antenna(s) are two 300-ohm flat twin-lead cables as shown here, connect them to your set like this:



Note: Be sure to connect the UHF antenna cable to the UHF screws on the Antenna Mixer and the VHF antenna cable to the screws marked VHF.

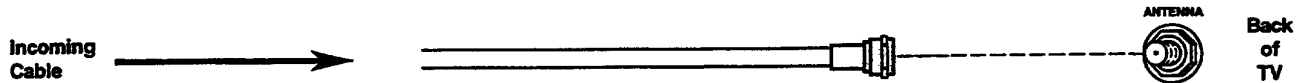
*  Optional accessory available from your dealer. Only use Antenna Mixer (Stock #193984).

Connecting Your TV

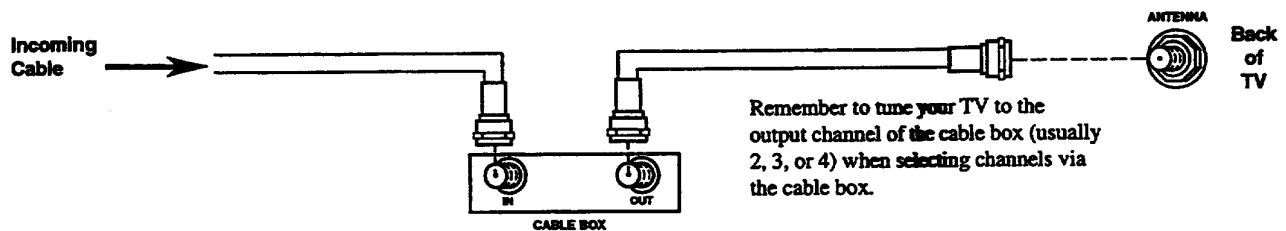
Cable-TV Connections

Follow one of these steps to connect a cable-TV system to your TV instead of a home antenna. Since cable-TV systems vary, you may wish to consult your local cable-TV company for additional information.

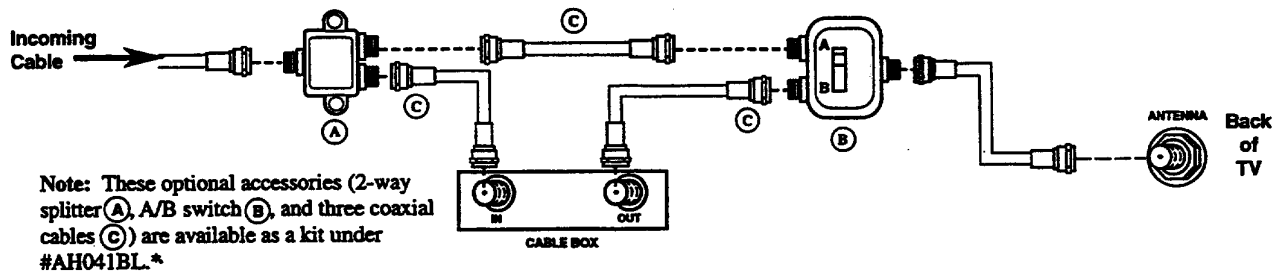
A Follow this diagram if your cable company does not require a cable box (no scrambled channels):



B Follow this diagram if your cable company requires a cable box that can be controlled by remote control:



C Follow this diagram if your cable company requires a cable box that cannot be controlled by remote control:



The "A" position on the A/B switch lets you select all non-scrambled channels by the TV's remote.

The "B" position allows you to select scrambled channels via the cable box. Remember to tune your TV to the output channel of the cable box (usually 2, 3, or 4) when selecting channels via the cable box.

* Optional accessories are available from most dealers or electronics supply stores.

Connecting Your TV

Cable-TV Operation

Your new TV is designed to receive up to 181 TV channels, including 125 non-scrambled cable channels (see chart below). To use this TV on a cable-TV system, confirm that the cable-TV system is properly connected to your TV. Since cable systems vary, you may wish to consult your local cable-TV company for additional information.

If your cable-TV company follows EIA/NCTA channel-identification standards, most of the channels offered by your cable company will be identified by channel numbers that are identical to those on your TV. For example, if your cable-TV system has programs on cable channel 20, you can choose this channel by selecting channel 20 on your TV.

Some cable-TV companies do not follow the EIA/NCTA standards and instead assign their own channel identification. For example, some use the standard broadcast channel numbers (2-13) for channels 2-13, but identify their other channels with letters. If your cable company does not follow the EIA/NCTA standards, ask them for a cross reference that shows to which channels you should tune your TV to receive their cable-TV channels.

Scrambled Cable-TV Channels

Some cable companies offer "premium-pay" channels in which the signal is scrambled. Descrambling these signals for normal viewing may require the use of a cable box which is generally provided by the cable company.

How you connect the cable box to your TV depends upon whether or not the cable box can be controlled by remote control. If your cable box is remote controllable, you will want to connect it as shown in Diagram B on the previous page.

If your cable box cannot be controlled by remote control, you will still be able to remotely control "unscrambled" channels with the connection shown in Diagram C on the previous page.

The chart below lists the "total" channel and cable capability count.

Channels	Off-Air	Cable
• Low VHF A-8 (Channel 01)	—	1
• VHF (Channels 2-13) *	12 *	12 *
• UHF (Channels 14-69)	56	—
• Low Midband A-5 through A-1 (Channels 95-99)**	—	5 **
• Midband (Channels 14-22 or A-I)	—	9
• Superband (Channels 23-36 or J-W)	—	14
• Hyperband (Channels 37-64 or W+1 to W+28)	—	28
• Ultraband (Channels 65-94 and 100-125 or W+29 to W+84)	—	56
Total*	68	125

* VHF is only counted once in total channel count because you can receive channels 2-13 on both "off-air" and "cable" channels. Therefore the total channel count for "off-air" and "cable" is 181 channels (68+125-12=181).

** Channels 95, 96, and 97 are not applicable in Canada. Therefore, the total number in Canada is 178.

Connecting Your TV

Mounting Your Television

Follow these instructions if you want to mount your TV under a cabinet:

Tools Required:

- Rule or tape measure
- Phillips screwdriver
- Pencil
- Blade screwdriver
- Drill and 1/4" drill bit
- Drill Countersink Attachment (Optional)

Mounting Considerations:

- Make sure the bottom of the cabinet you select is strong enough to support a TV.
- Allow adequate room for ventilation, room to swivel, access to control knobs and space for the antenna.
- Mount TV near an AC outlet.
- Do not use area directly beneath TV for cooking.
- Before mounting, turn the set on to check reception in the area you have selected (if reception is poor try another location).

Mounting Instructions:

1. Prepare cabinet by removing items from counter and cabinet. Clean underside of cabinet where TV is to be mounted.
2. Cut out the mounting guide and screw guide
 - Cut out the guides on the lines indicated.
 - The size of the mounting guide and the screw hole positions are identical to the top of the mounting bracket.

3. Position mounting guide

- Position the mounting guide on the underside of cabinet 3/4 inch back from the cabinet's front edge.
- Position the mounting guide in the desired location and tape it to the bottom of the cabinet. Be sure the location is a flat surface

Notes: Some kitchen cabinets have front overhangs as shown here. If the thickness of the overhang exceeds 3/4 inch, tape the mounting guide as close to the cabinet's front edge as possible. The farther back you mount the TV, the less you will be able to swivel it to the left and right (if cabinet is near wall).

The TV will protrude about 3" from the cabinet when the mounting guide is positioned 3/4" back from the cabinet's front edge.

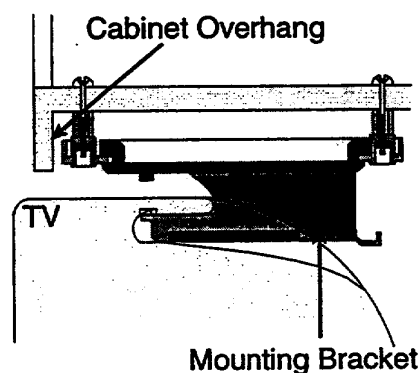
Caution to RV Owners: The mounting bracket provided is not designed for mounting in RV's or motor homes. The TV may dislodge from the bracket while the vehicle is in motion, causing damage or injury.

Important: Do not insert the bracket into the TV until the bracket is mounted under a cabinet. It may be difficult to remove. Be sure to follow the mounting instructions before sliding the TV onto the bracket.

Helpful Hints:

- You may want to start the drill holes with a nail or an awl.
- Splintering will be reduced if you place masking tape above the hole locations on the inside of the cabinet.
- Be sure to hold the drill firmly against the cabinet to reduce "walking" of the drill bit from the markings.
- If you have a countersink attachment for your drill and if you are drilling through a wood cabinet, you may wish to countersink the drilled holes from the inside of the cabinet. This will eliminate the use of washers and allow the screw heads to be flush with the floor of your cabinet. If you cannot countersink the holes, use the washers that are supplied.

Caution: Check thickness of shelf before attempting to countersink holes. Minimum thickness should be at least 1/4" (3/8" or more preferred).



Connecting Your TV

4. Drill holes in cabinet

- Drill 1/4-inch diameter holes through the underside of the cabinet bottom using the five circles on the mounting guide as a guide.

5. Remove mounting guide and drill shavings

Remove the mounting guide and clean the drill shavings from inside and under the cabinet.

6. Select spacers if required

- The spacers slip over the ends of the screws and allow you to mount the TV below the edge of the cabinet's overhang.
- If your cabinet does not have an overhang, you probably will not need to use any spacers.
- If your cabinet has an overhang, select the proper length spacer(s) so the TV will clear the overhang when swiveled.
- Two or three spacers can be used together to make lengths of 1/4" to 1-3/4" at 1/4" increments. Refer to the chart below to select the proper spacers:

Cabinet Overhang	Length of Spacers
Less than 1"	None Required
1" to 1-1/4"	1/4" Spacers
1-1/4" to 1/2"	1/2" Spacers
1-1/2" 1-3/4"	3/4" Spacers
1-3/4" to 2"	1" Spacers

7. Select proper length of screws

- Only five screws are needed. The size you need depends upon your type of cabinet.
- Holding the selected spacers for one of the screw holes under the cabinet, install a washer and screw inside the cabinet using one of the three lengths of screws provided.

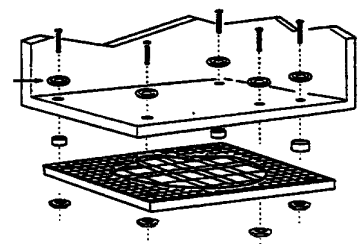
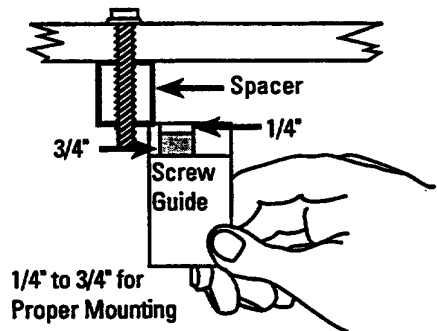
Note: A visual description of these parts is on page 2.

8. Position mounting bracket under cabinet

- Position the mounting bracket under the cabinet as shown and match the screw holes.

9. Attach mounting bracket to cabinet

- First mount one corner of the bracket. Hold the bracket and spacer(s) in place and insert the screw from the inside of the cabinet down through washer and drilled hole or down through countersink and drilled hole.
- Note: The washers must be used on metal cabinets and on wood cabinets if you do not countersink the drilled holes.
- Position the washer flat-side down and place screw into screw hole, through the spacer(s) and through the screw hole in the mounting bracket.
- Place a nut into the cylinder at the bottom of the mounting bracket screw hole. Hold nut in place (if necessary, use the top of a pencil). While maintaining upward pressure on the mounting bracket, finger tighten the screw. Do not tighten firmly until all five screws have been started.
- Align each of the remaining mounting bracket screw holes with the drilled holes and properly position the selected spacers. Install washers, screws, and nuts as previously described. Now, finish tightening the five screws but do not overtighten them.



Caution: If the screw is too short, it will not screw into the nut far enough to securely hold the TV. If the screw is too long, it may protrude below the bracket, and the TV could hit it when swiveled.

Connecting Your TV

10. (Optional) Attach Supplied Antenna to Bottom of TV

If you have attached the supplied dipole antenna to the top of your TV, you will need to attach it to the bottom of your TV before mounting it. If you have connected another type of antenna, skip to step 11

If the dipole antenna is attached to the top of the TV, you can remove it by grasping the base and lifting it up and off.

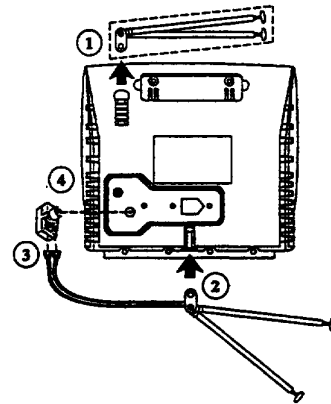
Insert the antenna base into the pocketed slot on the bottom of your TV. Press the base of the antenna into the slot until it locks in place.

Connect the ends of the twin-lead to the antenna adapter (supplied).

Connect the antenna adapter to the round antenna connector on the back of the TV.

Later, after you have turned on the TV, adjust the length and position of the antenna for best reception.

- For viewing VHF channels 2-13, extend the rods fully.
- For viewing UHF channels 14-69, shorten the rods for best reception.
- For listening to the radio, if necessary, adjust the antenna rods for best reception.



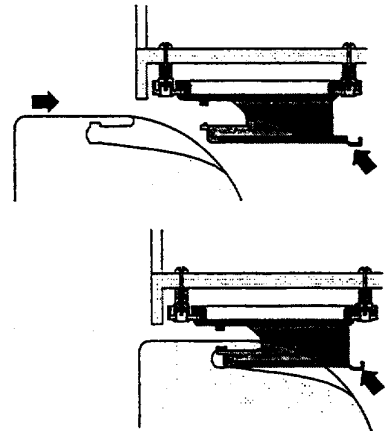
11. Slide TV onto Bracket

- Slide the TV onto the mounting hook of the bracket and push it all the way back until the hook on the bracket locks into the back of the TV.
- Secure the TV in the bracket by sliding the locking tab on the back of the bracket into the bracket assembly. You should hear a click sound when the sliding tab is locked into position.

Warning: make sure the locking slide is pushed fully into the locked position. Failure to lock the sliding tab into position may allow the TV to fall off the bracket causing personal injury or damage to the TV. Push the sliding tab into the bracket assembly until you hear a click.

- To remove the TV, slide the locking tab out of the bracket assembly.
- Lift the TV up and gently pull forward.

Note: The TV must be slightly below the cabinet overhang when installed in the bracket. Some clearance is necessary so the TV can be easily rotated to the desired viewing angle or removed for portable use.

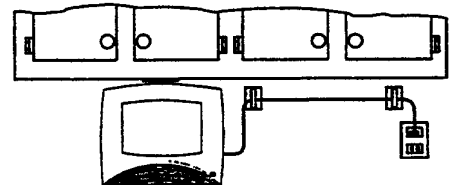


12. Attach AC Power Cord

- First attach the AC power cord to the 4-prong connector on the back of the TV.
- Then extend the cord and plug it into an electrical outlet.

13. Attach Cord Hooks

- You can use the cord hooks to hold the cord out of the way.
- For the most attractive appearance, place the cord hooks at the back edge of the cabinet (on or next to the wall) directly above the outlet to be used.
- To attach the cord hooks, peel off the adhesive back and attach the hooks to a clean, dry surface on underside of cabinet or back wall.
- Use the cord tie that is attached to the power cord to wrap and tie excess cord out of sight.



Caring for Your TV

Cleaning and Care

Dust TV as required, using a soft cloth or the dusting attachment of your vacuum cleaner. Occasionally vacuum the ventilation slots in the cabinet to help assure adequate ventilation. Take care not to scratch the plastic surfaces.

If your TV's cabinet has a textured finish, do not use furniture polish. Because textured finishes are porous, using furniture polish will mar their appearance. They can be easily cleaned with a damp, soft cloth.

To clean the screen, you can wipe it with a damp, soft cloth. Then dry it with a soft cloth. (A mild soap may be used on the screen if it is extremely dirty.) Be sure to turn off the TV before cleaning the screen, and do not allow liquid to run down the screen and inside the TV.

A special antistatic cleaning and polishing solution (AH035) is available for use on most TV screens and non-textured cabinets. This non-abrasive formula imparts brilliance, repels static, and resists fingerprints. Lint-free polishing cloths are included.

Do not use strong cleaners, polishes, or chemically-treated cloths to clean the screen or cabinet.

Avoid placing drinks or vases with water on top of your TV.

To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

Accessories

Remote Control

This is the remote that came packed with your TV. You can use the order form to order it direct by mail if desired.



233544

Optional Remote

This remote not only controls your TV but can also control most brands of remote-controllable VCRs, cable boxes, and audio equipment.



RCU100

Dipole Antenna

Designed to attach to the back of your TV. Can be used for both VHF and UHF channels.

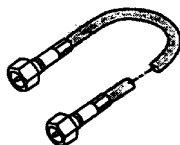


198792

Antenna Cables

Screw-on Antenna Cable

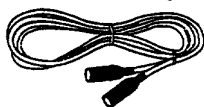
Attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. The ends screw onto the connectors for a secure connection.



AH037 (3-ft)

Push-on Antenna Cable

Attaches to the round antenna connectors (called 75-ohm F-type) on the back of your VCR or TV. Ends push on for a quick connection.



Gold-Tipped Cables
AH065G (6-ft)
AH066G (10-ft)

Note: All specifications and descriptions of accessories are subject to change without notice.

Accessory Order Form Book No. 2056893B

Description	Part No.	Price	Qty	Total
Antenna Adapter	193983	\$ 9.80		
Antenna Mixer	193984	\$10.73		
Replacement Remote Control (CRK231C)	233544	\$ 34.95		
Transformer	AH011	\$ 1.90		
Cleaner/Polisher	AH035	\$ 6.95		
Screw-on Antenna Cable (3-ft)	AH037	\$ 3.95		
A-B Switch	AH041	\$14.95		
Cable Connection Kit	AH041BL	\$19.95		
Gold-Tipped Antenna Cable (6-ft)	AH065G	\$ 6.99		
Gold-Tipped Antenna Cable (10-ft)	AH066G	\$ 8.99		
Dipole Antenna	198792	\$ 9.95		
Optional Remote Control	RCU100	\$34.95		

Prices are subject to change without notice.

Total Merchandise (\$10 Minimum Order) \$ _____

Sales Tax \$ _____

We are required by law to collect the appropriate sales tax for each individual state, county, and locality to which the merchandise is being sent.

Shipping, Handling, and Insurance \$ 5.00

Total Amount Enclosed \$ _____

Use VISA or MasterCard preferably. Money order or check must be in U.S. currency only. No COD or CASH.

All accessories are subject to availability.
Where applicable, we will ship a superseding model.

Scissors icon
Detach Here



Accessories

**Charge your order on your VISA
or MasterCard by
filling in below**

USE YOUR CREDIT CARD

IMPORTANT: Copy complete account number
from your VISA card

My card expires:

IMPORTANT: Copy complete account number
from your MasterCard

Copy Number above your name on MasterCard

My card expires:

AUTHORIZED SIGNATURE

Prices are subject to change without notice.

PLEASE

Print or type your name and address clearly. This will be your mailing label.

**A complete and correct order will
save you days of waiting.**

Name: _____

Street: _____

_____ **Apt:** _____

City: _____

State: _____ **Zip:** _____

Please make sure that both sides of this form have been filled out completely.

United States and Canada Orders

Order by phone using your Visa or MasterCard. Call the toll-free number listed below between 8AM and 8PM Eastern Standard Time. Use this number only to place an order for accessory items listed on this order form.

1-800-338-0376

Most orders are shipped UPS within 72 hours of receipt. If it is not possible to ship within 30 days, we will notify you.

For mail order, detach and mail the completed order form with credit card information, money order, or check in U.S. currency (made payable to Thomson Consumer Electronics) to the following address:

Video Accessories
P.O. Box 8419
Ronks, PA 17573

For more information on these accessories write to the following address:

Video Accessories Customer Service
Thomson Consumer Electronics
Distributor & Special Products
2000 Clements Bridge Rd
Deptford, NJ 08096-2088

International Orders

This offer is valid only in the 50 United States and Canada. For international orders, please send your request for quotation (not an order) to:

**International Customer Service
Thomson Consumer Electronics
Distributor & Special Products
2000 Clements Bridge Rd
Deptford, NJ 08096-2088 USA**

✂ Detach Here

Trouble Checks

TV Trouble	Checks and Adjustments
TV will not turn on	<ul style="list-style-type: none"> • Check to make sure it is plugged in. • Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else. • Maybe batteries in remote are "dead". Try using <i>POWER</i> button on TV. • Maybe remote control was not aimed at remote sensor. • Make sure power cord is fully inserted into back of TV.
Controls don't work	<ul style="list-style-type: none"> • Try unplugging set for two minutes and then turning it on again. • Make sure power cord is fully inserted into back of TV.
Intermittent or no remote	<ul style="list-style-type: none"> • Maybe something is between the remote and the remote sensor. • Maybe batteries in remote are weak or dead. Try replacing batteries. • Maybe batteries are installed incorrectly. Try replacing batteries correctly. • Remove batteries and hold down one or more buttons for several seconds. Install the batteries and try remote.
Turns off while playing	<ul style="list-style-type: none"> • Sleep Timer function may be activated. • If TV turned on because of alarm, it will automatically turn off after one hour. • Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. • Make sure power cord is fully inserted into back of TV.
Turns on unexpectedly	<ul style="list-style-type: none"> • Alarm function may be set.
Blank screen	<ul style="list-style-type: none"> • Try another channel.
No sound, picture okay	<ul style="list-style-type: none"> • Maybe sound is muted. Try pressing <i>VOL</i> up button to restore sound. • If headphones are connected, sound from TV speakers will be muted.
Can't select certain channel	<ul style="list-style-type: none"> • Channel may not be in channel memory. Try using number buttons. • If using VCR, check to make sure <i>TV/VCR</i> switch on VCR is in correct position. • To select cable-TV channels over 99 (up to 125), press and hold number button 1 until 1- appears on the screen. Then press the other two numbers.
No picture, no sound	<ul style="list-style-type: none"> • If watching VCR connected through antenna input, make sure TV is tuned to channel 3 or 4—same as <i>CH3/CH4</i> switch on VCR. Also check to make sure <i>TV/VCR</i> switch on VCR is in correct position.
Sound okay, picture poor	<ul style="list-style-type: none"> • Check antenna connections. • Try adjusting <i>SHARPNESS</i> function to improve weak signals.
Picture okay, sound poor	<ul style="list-style-type: none"> • Try another channel.
Improper color in one or more areas of the picture	<ul style="list-style-type: none"> • Try unplugging set for a minimum of 15 minutes and then turning it on again. For best results you should place the set in the position you will be watching it before you plug it back in.

Limited Warranty

What your warranty covers:

- Any defect in material or workmanship.

For how long after your purchase:

- 90 days for labor charges.
- One year for parts.
- Two years for picture tube.

(The warranty period for rental units begins with the first rental or 45 days from the date of shipment to the rental firm, whichever comes first.)

What we will do:

- Pay any Authorized RCA Television Servicenter the labor charges to repair your television.
- Pay any Authorized RCA Television Servicenter for the new or, at our option, refurbished replacement parts and picture tube required to repair your television.

How you get service:

- For screen sizes 20" and smaller: Take your RCA television to any Authorized RCA Television Servicenter, and pick up when repairs are complete.
- For screen sizes larger than 20": Request home service from any Authorized RCA Television Servicenter.
- To identify your nearest Authorized RCA Television Servicenter, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the service technician your evidence of purchase date or first rental.

What your warranty *does not* cover:

- Acts of God, such as but not limited to lightning damage.
- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your television.
- Damage from misuse or neglect.
- Batteries.
- Customer replaceable fuses.
- Images burnt onto the screen.
- A television that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A television purchased or serviced outside the U.S.A.

Product Registration:

- Please complete and mail the Product Registration Card packed with your set. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

How state law relates to this warranty:

- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

What if you purchased your television outside the U.S.A.:

- This warranty does not apply. See your dealer for details.

If your TV needs service, please contact your dealer or the nearest servicer. Please do not send any products to the Indianapolis address listed below or on the box. This only adds delays for service of your TV. *For service information refer to the warranty page.*

 **THOMSON CONSUMER ELECTRONICS**
10330 N. Meridian Street
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